



MEMORANDUM

To: Honorable Mayor and Town Council

From: Rafael G. Casals, Town Manager

Date: April 15, 2015

Re: Issuance of a Purchase Order to Marlin Engineering, Inc. – Design Services Point Royale Section 5 Water Quality Improvement(s) Project

REQUEST

RESOLUTION OF THE MAYOR AND TOWN COUNCIL OF THE TOWN OF CUTLER BAY, FLORIDA, AUTHORIZING THE TOWN MANAGER TO ISSUE A PURCHASE ORDER TO MARLIN ENGINEERING, INC TO PROVIDE DESIGN SERVICES FOR THE POINT ROYALE SECTION 5 WATER QUALITY IMPROVEMENT(S) PROJECT AND PROVIDING AN EFFECTIVE DATE.

BACKGROUND AND ANALYSIS

The Town adopted the Stormwater Master Plan for the purpose of identifying opportunities to protect surface water quality and reduce flooding within the Town. The Stormwater Master Plan was adopted via Resolution No. 08-50, which studied seventeen (17) sub-basins. This Stormwater Master Plan is comprised of the following components:

- A review of existing stormwater and drainage data, reports, and plans available through SFWMD, Miami-Dade County, and Town sources
- A field inventory of existing drainage structures
- A drainage atlas including the type, size, and general location of drainage infrastructure elements
- Basin and Sub-basin delineations based on available survey data and other sources
- Hydrologic and hydraulic modeling analysis of the existing systems and their capacity to handle the 5-year/24-hour, 10-year/24-hour, 25-year/72-hour, 50-year/72-hour, and 100-year/72-hour storm events



- Identification and analysis of alternatives for improvements needed to alleviate deficiencies identified in the hydrologic and hydraulic modeling phase
- Development of an optional Capital Improvement Plan (CIP) to implement the identified improvements

The Point Royale Section 5 Sub-Basin is located between SW 100 Avenue from Broad Channel Drive to SW 186 Street. The design of this project will consist of preparation of roadway plans, drainage system analysis/improvements, utility coordination, permit preparation, and developing signage/marketing plans. The sub-basin is comprised of single family residential homes and multi-family dwellings along SW 100 Avenue. The existing Stormwater runoff for this sub-basin is discharged into undersized French drains located along SW 100 Avenue. The proposed Water Quality Improvement(s) Project will reduce the non-point source pollutant load to the existing water table.

A detailed summary of the proposed Point Royale Section 5 Water Quality Improvement(s) Project is attached hereto as Attachment “A” which, provides a detailed description of the planned improvements.

RECOMMENDATION

We recommend that the attached resolution, authorizing the Town Manager to issue a Purchase Order to Marlin Engineering for the design services of the Point Royale Section 5 Water Quality Improvement(s) Project, in the amount not to exceed \$57,152.11.

ATTACHMENTS

- Attachment “A” - Point Royale Section 5 Project Summary

